

FIG. 1

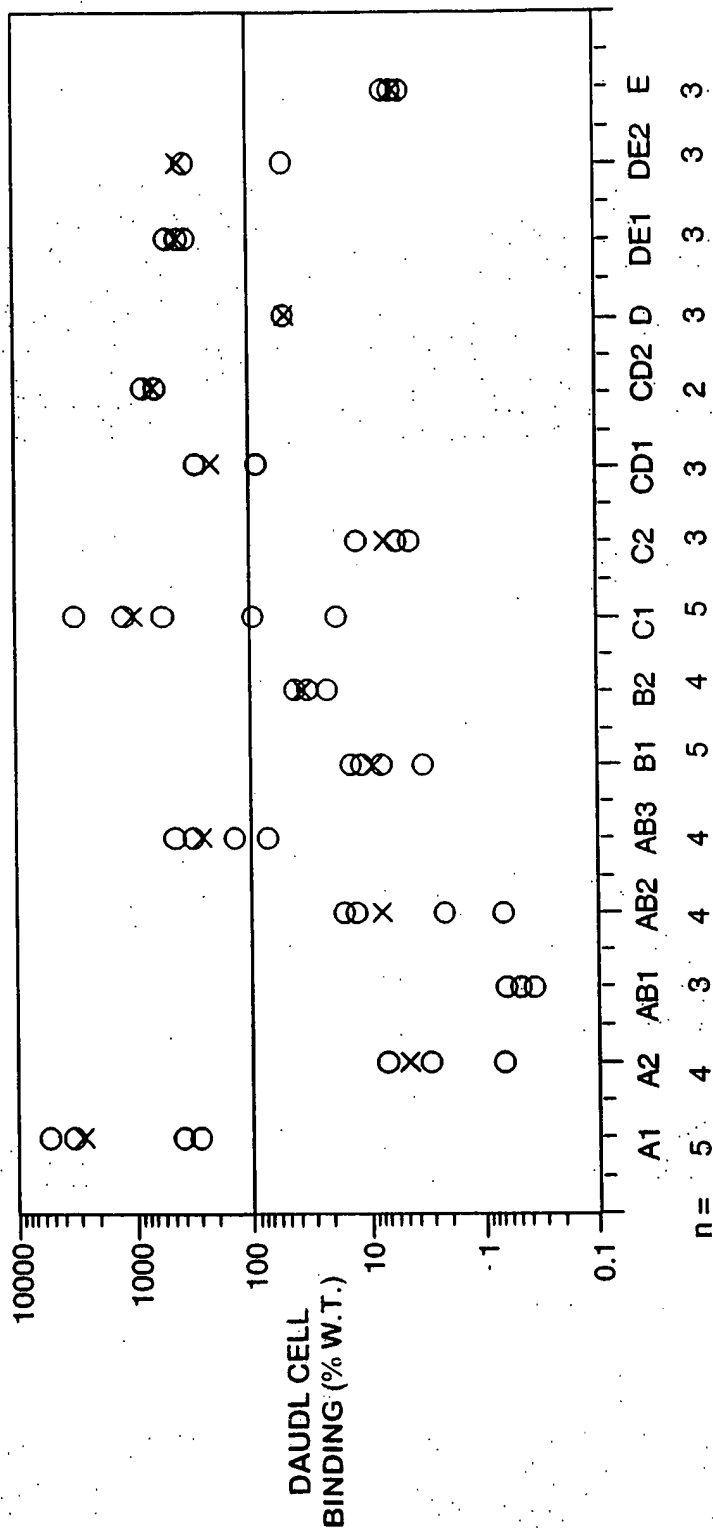


FIG. 2



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 155 Seaport Blvd.
 Boston, MA 02210
 U.S. Patent Application Serial No.: 09/832,658
 Title: Polymer Conjugates of Interferon Beta-1A and Uses
 Inventor: Pepinsky et al.
 Filed: April 11, 2001
 Attorney Docket no.: BII-008.01
 Sheet 3 of 11

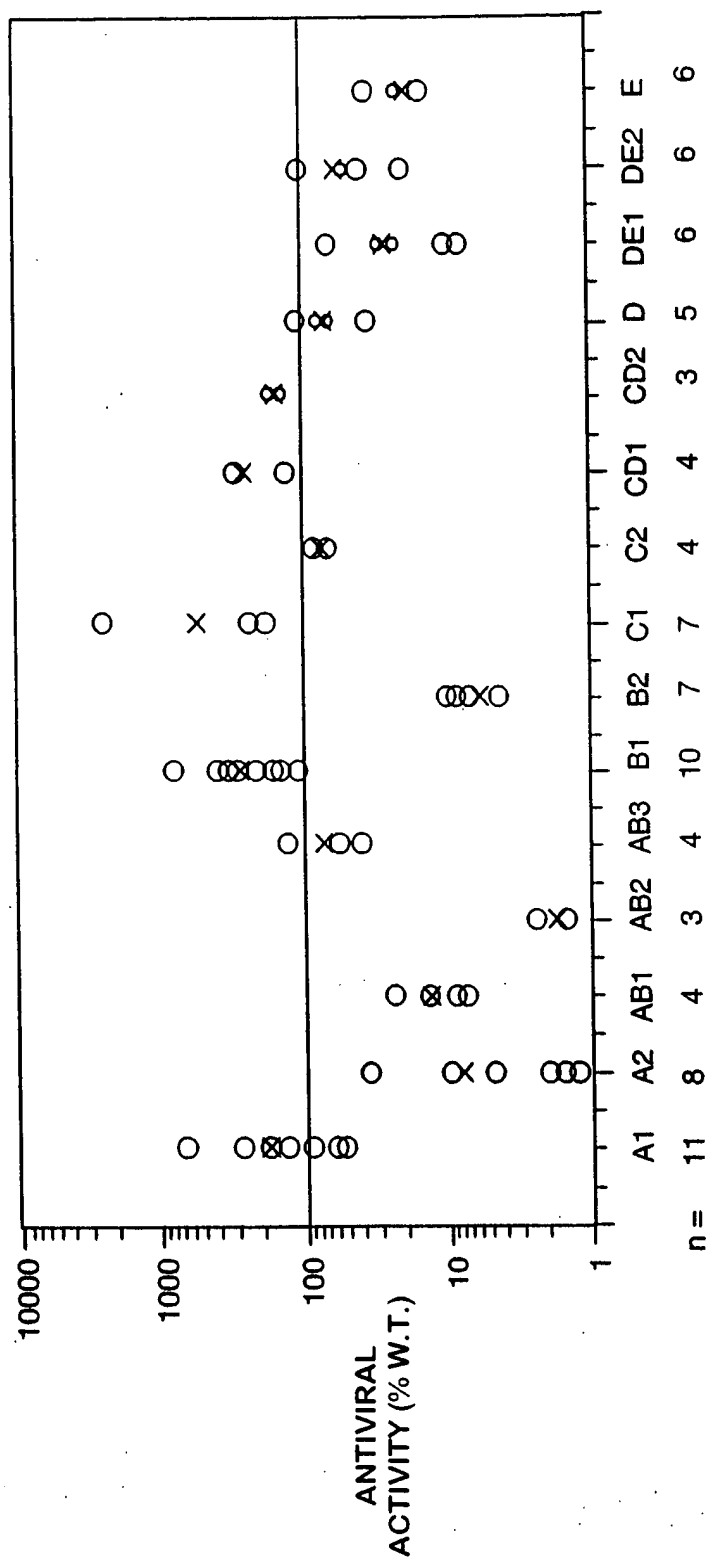


FIG. 3

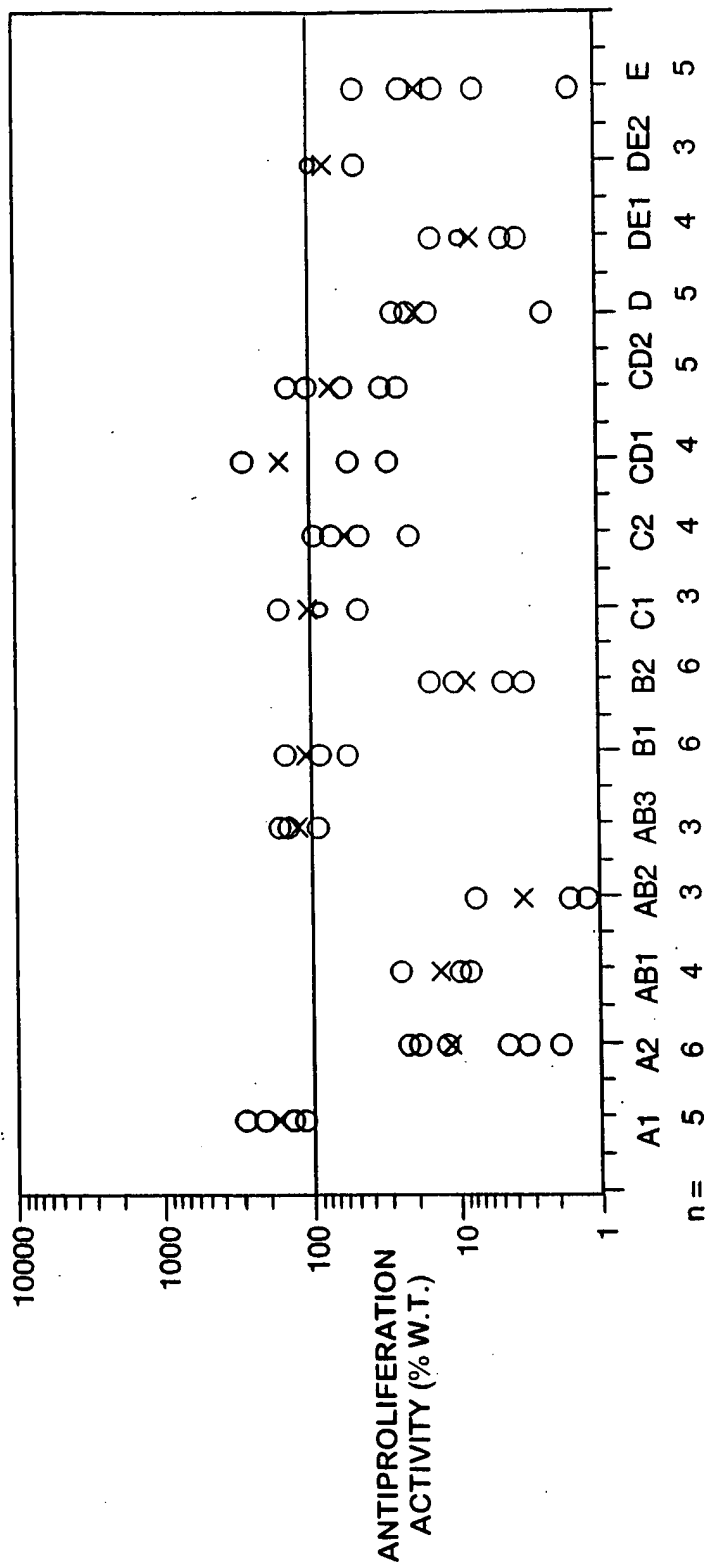


FIG. 4



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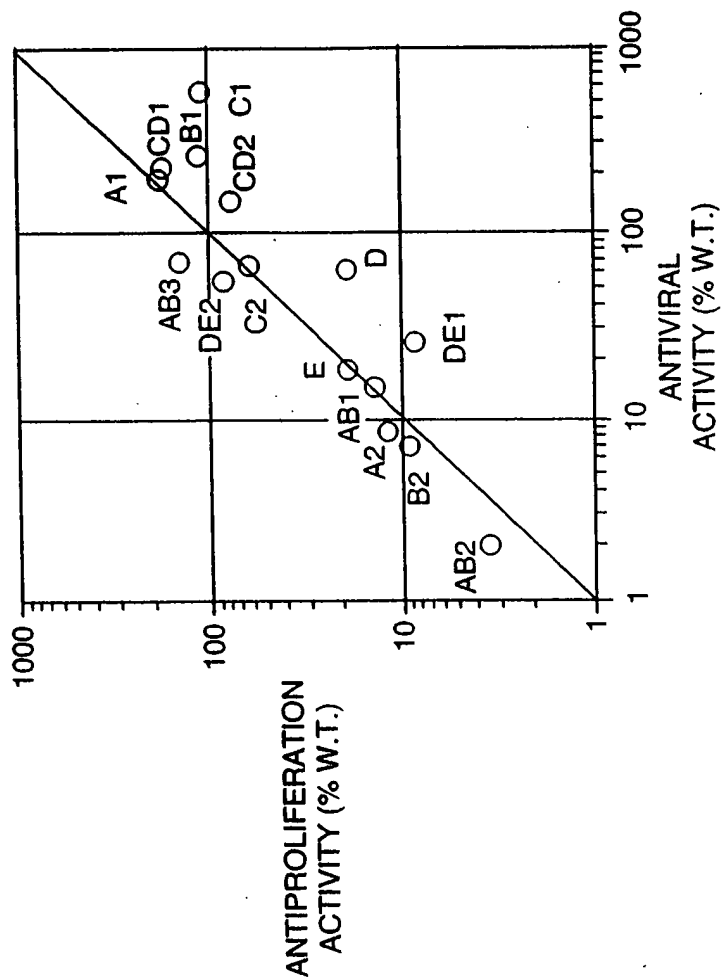


FIG. 5



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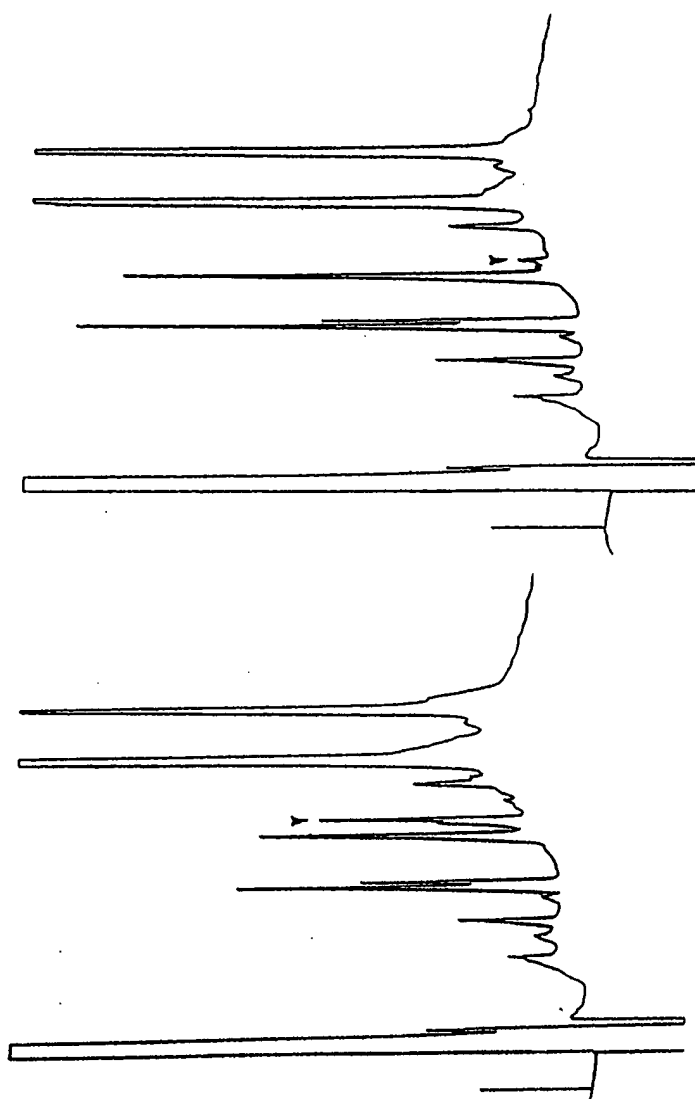


FIG. 6B

FIG. 6A

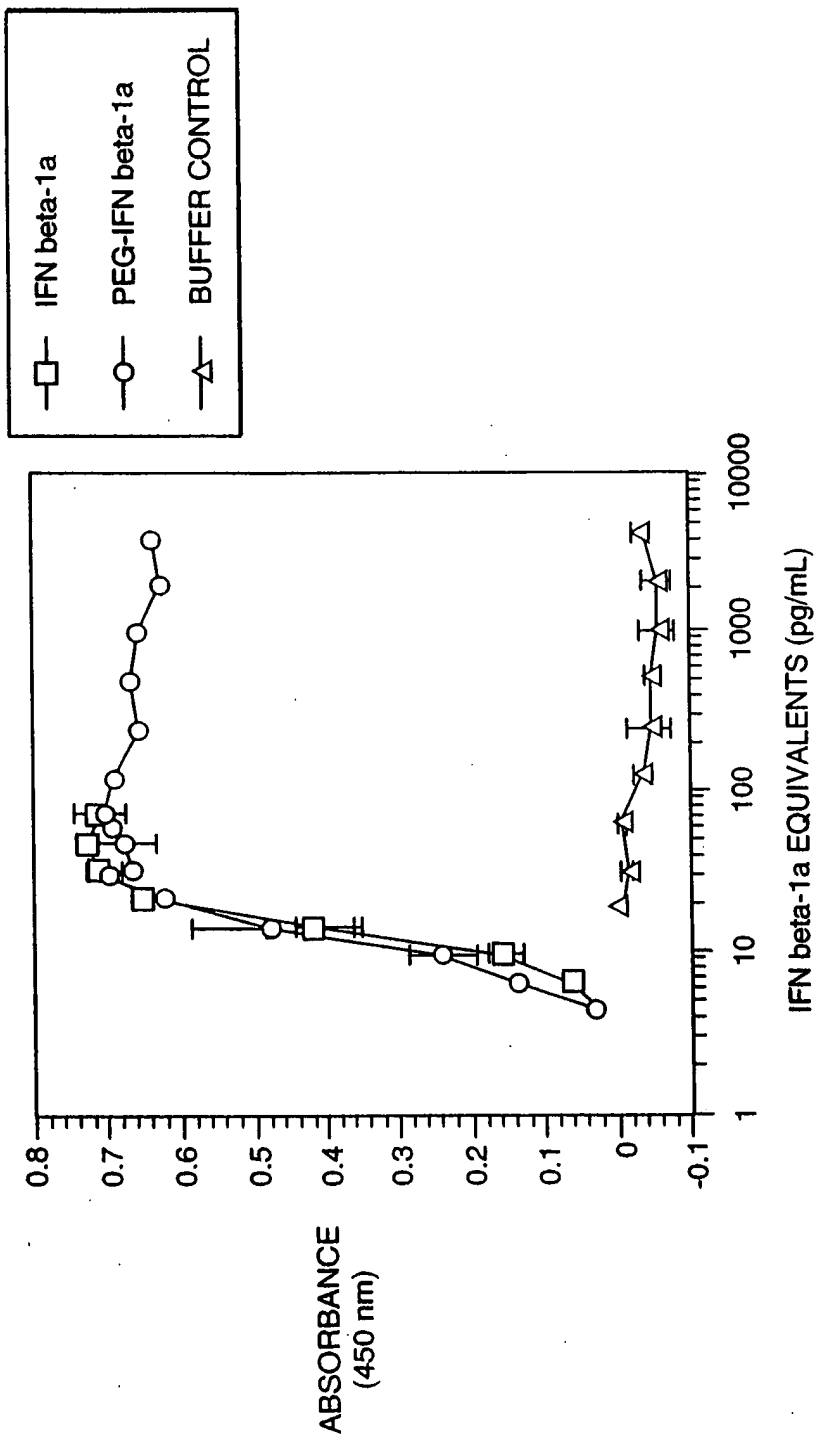


FIG. 7



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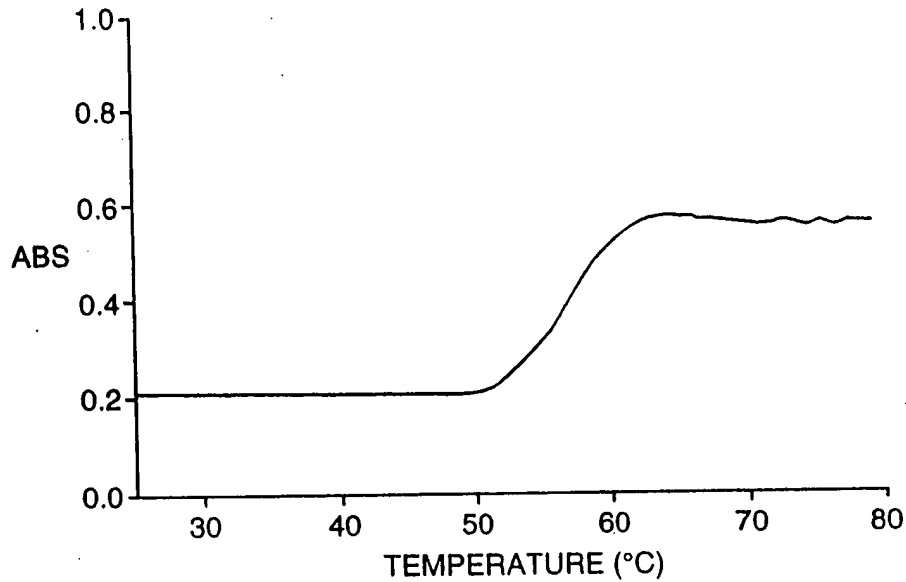


FIG. 8a

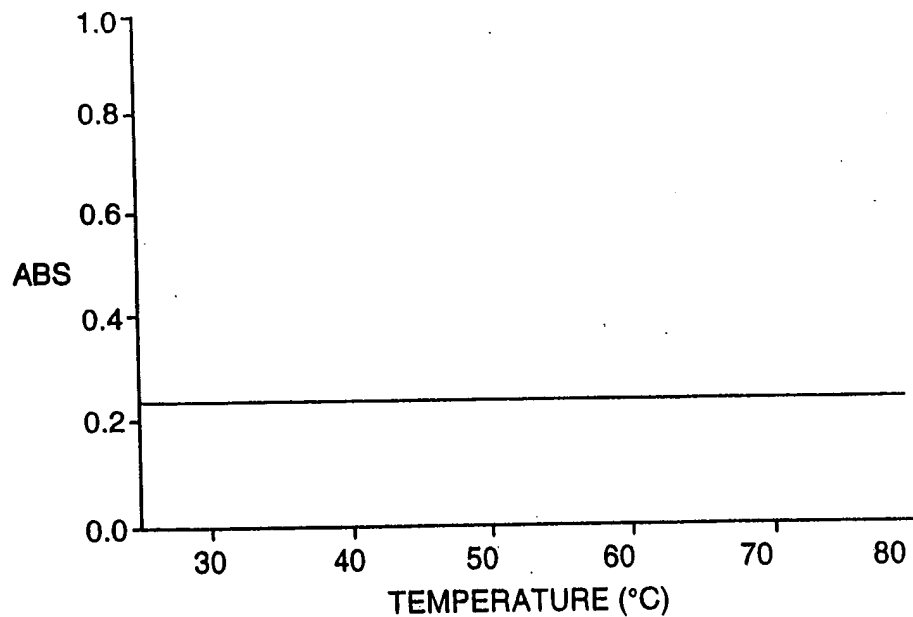


FIG. 8b

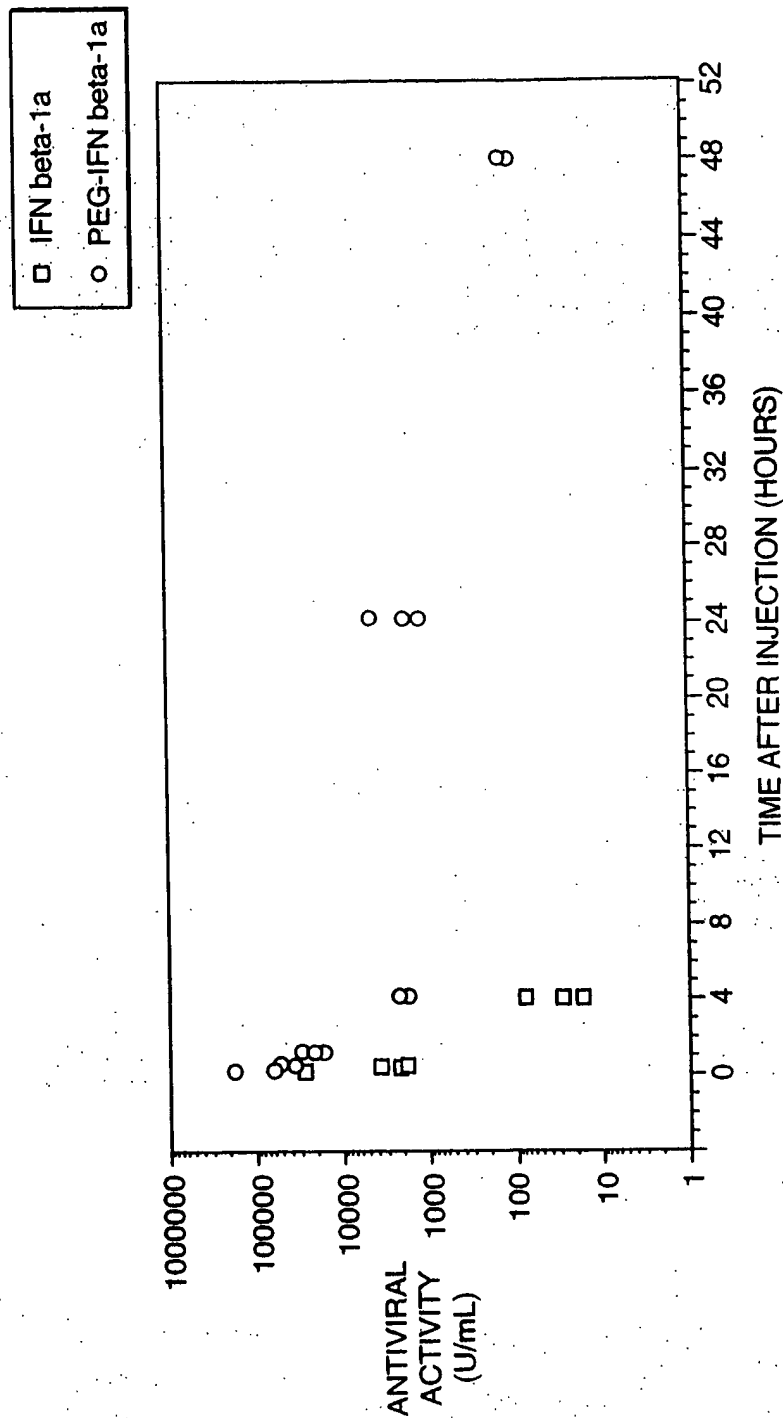


FIG. 9



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1 TCCGGGGGCC ATCATCATCA TCATCATAGC TCCGGAGACG ATGATGACAA GATGAGCTAC
AGGCCCCCGG TAGTAGTAGT AGTAGTATCG AGGCCTCTGC TACTACTGTT CTAICTGATG
1▶Ser GlyGlyH i sH i sH i sH i sH i sSer Ser GlyAspA spAspAspLy sMetSer Tyr
61 AACTTGCTTG GATTCTACA AAGAAGCAGC AATTTTCAGT GTCAGAAGCT CCTGTGGCA
TTGAACGAAC CTAAGGATGT TTCTTCGTCG TTAAGTCA CAGTCTCGA GGACACGTT
21▶AsnLeuLeuG lyPheLeuGl nArgSerSer AsnPheGlnC ysGlnLysLe uLeuTrpGln
121 TTGAATGGGA GGCTTGAATA CTGCCTCAAG GACAGGATGA ACTTTGACAT CCCTGAGGAG
AACTTACCCT CCGAAGTAT GACGGAGTTC CTGTCCTACT TGAAACTGTA GGGACTCCTC
41▶LeuAsnGlyA rgLeuGluTy rCysLeuLys AspArgMetA snPheAspI l eProGluGlu
181 ATTAAGCAGC TGCAGCAGTT CCAGAAGGAG GACGCCGCAT TGACCATCTA TGAGATGCTC
TAATTCGTCG ACGTCGTCAA GGTCTTCCTC CTGCGGCGTA ACTGGTAGAT ACTCTACGAG
61▶I l eLysGlnL euGlnGlnPh eGlnLysGlu AspAl aAl aL euThr l l eTy rGluMetLeu
241 CAGAACATCT TTGCTATTTT CAGACAAGAT TCATCTAGCA CTGGCTGGAA TGAGACTATT
GTCTTGTAGA AACGATAAAA GTCTGTTCTA AGTAGATCGT GACCGACCTT ACTCTGATAA
81▶GlnAsnI l eP heAl aI l ePh eArgGlnAsp SerSerSerT hrGlyTrpAs nGluThr l l e
301 GTTGAGAACC TCCTGGCTAA TGTCTATCAT CAGATAAACC ATCTGAAGAC AGTCCTGGAA
CAACTCTTGG AGGACCGATT ACAGATAGTA GTCTATTTGG TAGACTTCTG TCAGGACCTT
101▶ValGluAsnL euLeuAl aAs nValTyrHis GlnI l eAsnH l sLeuLysTh rValLeuGlu
361 GAAAACTGG AGAAAGAAGA TTTCAACCAGG GGAAAACTCA TGAGCAGTCT GCACCTGAAA
CTTTTGGACC TCTTCTTCT AAAGTGGTCC CTTTTGAGT ACTCGTCAGA CGTGGACTTT
121▶GluLysLeuG luLysGluAs pPheThrArg GlyLysLeuM etSerSerLe uH i sLeuLys
421 AGATATTATG GGAGGATTCT GCATTACCTG AAGGCCAAGG AGTACAGTCA CTGTGCCTGG
TCTATAATAC CCTCCTAAGA CGTAATGGAC TTCCGGTTCC TCATGTCAGT GACACGGACC
141▶ArgTyrTyrG lyArgI l eLe uH i sTyrLeu LysAl aLysG luTyrSerH i sCysAl aTrp
481 ACCATAGTCA GAGTGGAAAT CCTAAGGAAC TTTTACTTCA TTAACAGACT TACAGGTTAC
TGGTATCAGT CTCACCTTTA GGATTCCTTG AAAATGAAGT AATTGTCTGA ATGTCCAATG
161▶Thr l l eValA rgValGluI l eLeuArgAsn PheTyrPheI l eAsnArgLe uThrGlyTyr
541 CTCCGAAAC
GAGGCTTTG
181▶LeuArgAsn

FIG. 10



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